

<110> Valmori, Danila
 Cerottini, Jean-Charles
 Romero, Pedro
 <120> Isolated Nona - And Decapeptides Which Bind
 To HLA Molecules, and the Use Thereof
 <130> LUD 5483.2
 <140> US09/099,543
 <141> 1998-06-18
 <150> US 09/061,388
 <151> 1998-04-16
 <150> US 08/880,963
 <151> 1997-06-23
 <160> 32
 <210> 1
 <211> 10
 <212> PRT
 <213> Artificial sequence
 <220>
 <223> Peptide based on Melan-A peptide

 <400> 1
 Glu Ala Ala Gly Ile Gly Ile Leu Thr Val
 1 5 10

 <210> 2
 <211> 9
 <212> PRT
 <213> Artificial Sequence
 <220>
 <223> Peptide derived from Melan A

 <400> 2
 Ala Ala Gly Ile Gly Ile Leu Thr Val
 1 5

 <210> 3
 <211> 10
 <212> PRT
 <213> Artificial Sequence
 <220>
 <223> Peptide based on Melan A protein

 <400> 3
 Ala Ala Gly Ile Gly Ile Leu Thr Val Ile
 1 5 10

 <210> 4
 <211> 9
 <212> PRT

<213> Artificial Sequence
<220>
<223> Peptide based on Melan A protein

<400> 4
Ile Leu Thr Val Ile Leu Gly Val Leu
1 5

<210> 5
<211> 9
<212> PRT
<213> Artificial Sequence
<220>
<223> Derivative of SEQ ID NO: 2

<400> 5
Ala Leu Gly Ile Gly Ile Leu Thr Val
1 5

<210> 6
<211> 9
<212> PRT
<213> Artificial Sequence
<220>
<223> Derivative of SEQ ID NO: 2

<400> 6
Ala Met Gly Ile Gly Ile Leu Thr Val
1 5

<210> 7
<211> 9
<212> PRT
<213> Artificial Sequence
<220>
<223> Derivative of SEQ ID NO: 2

<400> 7
Leu Ala Gly Ile Gly Ile Leu Thr Val
1 5

<210> 8
<211> 9
<212> PRT
<213> Artificial Sequence
<220>

<223> Derivative of SEQ ID NO: 2

<400> 8
Met Ala Gly Ile Gly Ile Leu Thr Val
1 5

<210> 9

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Derivative of SEQ ID NO: 1

<400> 9
Glu Leu Ala Gly Ile Gly Ile Leu Thr Val
1 5 10

<210> 10

<211> 10

<212> PRT

<213> Artificial sequence

<220>

<223> Derivative of SEQ ID NO: 1

<400> 10
Glu Met Ala Gly Ile Gly Ile Leu Thr Val
1 5 10

<210> 11

<211> 10

<212> PRT

<213> Artificial sequence

<220>

<223> Derivative of SEQ ID NO: 1

<400> 11
Glu Ala Leu Gly Ile Gly Ile Leu Thr Val
1 5 10

<210> 12

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> Derivative of SEQ ID NO: 1

<400> 12
Glu Ala Met Gly Ile Gly Ile Leu Thr Val
1 5 10

<210> 13
<211> 10
<212> PRT
<213> Artificial sequence
<220>
<223> Derivative of SEQ ID NO: 1

<400> 13
Tyr Ala Ala Gly Ile Gly Ile Leu Thr Val
1 5 10

<210> 14
<211> 10
<212> PRT
<213> Artificial Sequence
<220>
<223> Derivative of SEQ ID NO: 1

<400> 14
Phe Ala Ala Gly Ile Gly Ile Leu Thr Val
1 5 10

<210> 15
<211> 10
<212> PRT
<213> Artificial sequence
<220>
<223> Derivative of SEQ ID NO: 1

<400> 15
Ala Ala Ala Gly Ile Gly Ile Leu Thr Val
1 5 10

<210> 16
<211> 10
<212> PRT
<213> Artificial Sequence
<220>
<223> Derivative of SEQ ID NO: 1

<400> 16
Ala Leu Ala Gly Ile Gly Ile Leu Thr Val
1 5 10

<210> 17
<211> 9
<212> PRT
<213> H. influenzae

<220>
<223>Portion of Influenza A matrix protein

<400> 17
Glu Ile Leu Gly Phe Val Phe Thr Leu
1 5

<210> 18
<211> 9
<212> PRT
<213> Artificial Sequence
<220>
<223>Portion of Influenza A matrix protein.
<400> 18
Gly Val Asp Pro Ile Gly His Leu Tyr
1 5

<210>: 19
<211> 9
<212> PRT
<213> Artificial Sequence
<220>
<223> Peptide from protein MAGE-3

<400> 19
Phe Leu Trp Gly Pro Arg Ala Leu Val
1 5

<210> 20
<211> 10
<212> PRT
<213> Artificial Sequence
<220>
<223> Mutant Ras 5-14 Peptide

<400> 20
Lys Leu Val Val Val Gly Ala Val Gly Val
1 5 10

<210> 21
<211> 9
<212> PRT
<213> Artificial Sequence
<220>
<223> Peptide from MAGE-1 Protein

<400> 21
Glu Ala Asp Pro Thr Gly His Ser Tyr
1 5

<210>: 22
<211> 9
<212> PRT
<213> Artificial Sequence
<220>
<223> Peptide derived from tyrosinase which binds HLA-A*0201

<400> 22
Tyr Met Asp Gly Thr Met Ser Gln Val
1 5

<210> 23
<211> 10
<212> PRT
<213> Artificial Sequence
<220>
<223> Derivative of SEQ ID NO: 15

<400> 23
Glu Ala Ala Gly Ile Gly Ile Ala Thr Val
1 5 10

<210> 24
<211> 10
<212> PRT
<213> Artificial Sequence
<220>
<223> Derivative of SEQ ID NO: 15
<400> 24

Glu Ala Ala Gly Ile Gly Ile Leu Ala Val
1 5 10

<210> 25
<211> 10
<212> PRT
<213> Artificial Sequence
<220>
<223> Derivative of SEQ ID NO:1
<400> 25

Glu Ala Ala Ala Ile Gly Ile Leu Thr Val
1 5 10

<210> 26
<211> 10
<212> PRT

<213> Artificial Sequence
<220>
<223> Derivative of SEQ ID NO:1
<400> 26
Glu Ala Ala Gly Ala Gly Ile Leu Thr Val
1 5 10

<210> 27
<211> 10
<212> PRT
<213> Artificial Sequence
<220>
<223> Derivative of SEQ ID NO:1
<400> 27
Glu Ala Ala Gly Ile Ala Ile Leu Thr Val
1 5 10

<210> 28
<211> 10
<212> PRT
<213> Artificial Sequence
<220>
<223> Derivative of SEQ ID NO:1
<400> 28
Glu Ala Ala Gly Ile Gly Ala Leu Thr Val
1 5 10

<210> 29
<211> 10
<212> PRT
<213> Artificial Sequence
<220>
<223> Derivative of SEQ ID NO:1
<400> 29
Glu Ala Ala Gly Ile Gly Ile Ala Thr Val
1 5 10

<210> 30
<211> 10
<212> PRT
<213> Artificial Sequence
<220>
<223> Derivative of SEQ ID NO: 1
<400> 30
Glu Ala Ala Gly Ile Gly Ile Leu Ala Val
1 5 10

<210> 31
<211> 10
<212> PRT
<213> Artificial Sequence
<220>
<221> MUTAGEN
<222> 1. 3...9

<223> Dervative of SEQ ID NO:1. Amino acid 1 is Ala, Tyr or Phe;
amino acids 3-9 can be any amino acid

<400> 31
Xaa Ala Xaa Xaa Xaa Xaa Xaa Xaa Xaa Val
1 5 10

<210> 32
<211> 10
<212> PRT
<213> Artificial Sequence
<220>
<221> MUTAGEN
<222> 2...9
<223> Derivative of SEQ ID NO:1. Amino acids 4-9 are any amino acid. Amino
acids 2 and 3 can be Ala Leu or Met, but if amino acid 2 is Ala, amino
acid 3 must be Leu or Met. If amino acid 3 is Ala, amino acid 2 must be
Leu or Met.

<400> 32
Glu Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Val
1 5 10